

AMENDMENTS TO CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

1. (currently amended) A treatment using silica gel to reduce sulfur in catalytically processed gasoline and in intermediate crude-oil distillates, characterized by use of a chemical absorption filter including a silica gel packing for absorbing the sulfur present in catalytic and intermediate crude-oil distillates and not eliminated in sulfur-reduction processes employed in catalytic cracking and intermediate crude-oil distillation plants, and further characterized by producing catalytically processed gasoline with a sulfur content of less than between 0.14% and 0.16% by weight.
2. (currently canceled)
3. (original) The treatment in accordance with Claim 1, characterized by producing catalytically processed gasoline with a FBP (final boiling point) approximately between 220°C and 225°C.
4. (original) The treatment in accordance with Claim 1, characterized by employing 28,200 Grade-12 silica gel packed in a vessel or filter open at both ends, through which circulates a flow of catalytically processed gasolines or intermediate crude-oil distillates containing sulfur.
5. (original) The treatment in accordance with Claim 1, characterized by installation of silica gel-packed filters at the exit from catalytically processed gasoline and intermediate crude-oil production processes, provided for subsequent reduction of sulfur content.
6. (currently amended) The treatment in accordance with Claim 1, characterized by the fact that there may be use of multiple filters assembled in series for reduction of sulfur content in catalytically processed gasolines and intermediate crude-oil distillates.

7. (currently amended) The treatment in accordance with Claim 1, wherein the filter operates at the exit temperature and pressure ~~from the of gasoline after sulfur-reduction treatments at catalytic plants for production of catalytically processed gasoline and distillation of intermediate crude oil products.~~

8. (original) The treatment in accordance with Claim 1, characterized by the fact that the filter is used until the output of catalytically processed gasoline from the filter contains 0.15% sulfur by weight, at which time the filter must be changed.

9 - 16 (currently canceled)